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909725 (08) 5804421 September 8, 1998

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT
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September 8, 1998

High level of expression of ingap in bacterial and eukaryotic cells

REISSUE: Reissue Application filed Sep. 8, 2000 (O.G. Nov. 21, 2000) Ex. Gp.: 1652; Re. S.N. 09/659,379, (O.G. November 21, 2000)

INVENTOR: Vinik, Aaron I., Norfolk, VA; Pittenger, Gary L., Virginia Beach, VA; Rafaeloff-Phail, Ronit, Chesapeake, VA; Barlow, Scott W., Norfolk, VA

APPL-NO: 909725 (08)

FILED-DATE: August 12, 1997

GRANTED-DATE: September 8, 1998

ASSIGNEE-AT-ISSUE: Eastern Virginia Medical School of the Medical College fo Hampton Roads, Norfolk, VA

ASSIGNEE-AFTER-ISSUE: December 2, 1997 - ASSIGNMENT OF ASSIGNEES INTEREST (SEE DOCUMENT FOR DETAILS)., EASTERN VIRGINIA MEDICAL SCHOOL OF THE MEDICAL COLLEGE OF HAMPTON ROADS NORFO LK VIRGINIA, Reel and Frame Number: 008836/0649

LEGAL-REP: Banner & Witcoff, Ltd.

PUB-TYPE: September 8, 1998 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

REL-DATA:

Addition of Ser. No. 741096, October 30, 1996

US-MAIN-CL: 435#691

US-ADDL-CL: 435#252.3, 435#320.1, 530#350, 536#231, 536#235, 536#241

CL: 435, 530, 536

SEARCH-FLD: 435#691, 435#252.3, 435#320.1, 536#231, 536#235, 536#241, 530#350

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Applicant

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CORE TERMS: protein, ingap, cell, minute, sequence, buffer, nucleotide, gel, construct, sub ...

ENGLISH-ABST:

Removal of the nucleotide sequence encoding the signal peptide from the INGAP coding sequence allows cultured cells to express substantial amounts of INGAP activity. Previous attempts have provided only low yields of INGAP, possibly because the signal sequence of INGAP is toxic to the cells.

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